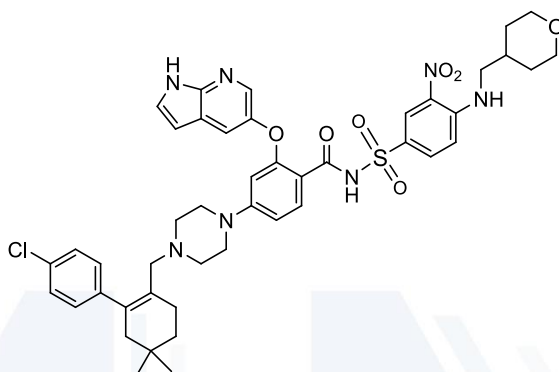


**Northeast Business Center**

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Certificate of Analysis



Product Name:	ABT-199
Synonym:	Venetoclax, GDC-0199
CAS No:	1257044-40-8
Prod. No:	CT-A199
Lot No:	11
Batch Empirical Formula Batch Empirical Wt.	C ₄₅ H ₅₀ ClN ₇ O ₇ S · 2H ₂ O 904.5
Solubility	Soluble in DMSO (72.4mg/ml, 80 mM)
Storage	Store at 0 - 4 °C (short term), -20 °C (long term), desiccated

Appearance	Yellow powder, recrystallized
Quality Control	MS: [✓] ¹ HNMR: [✓] HPLC: [✓] Quantitative Elemental Analysis [✓]: C ₄₅ H ₅₀ ClN ₇ O ₇ S · 2H ₂ O Calculated: C: 59.76% H: 6.02% N: 10.84% Found: C: 58.59% H: 6.02% N: 10.63%
Chemical Purity	>99% (HPLC)